QCC and MCC of Puccinia graminis f.sp. tritici at the seedling and adult plant stages. Genetic studies revealed a recessive gene, designated rpg4, that confers resistance to pathotypes QCC and MCC at low incubation temperatures (18-23C). Also posses genes for resistance to leaf rust and powdery mildew.

The following were developed by J.V. Krans, Mississippi Agricultural & Forestry Exp. Sta., MSU, Box 9555, Mississippi State, Mississippi 39762, United States; Victor Maddox, Mississippi State University, Dept. of Plant and Soil Sciences, 117 Dorman Hall, Mississippi State, Mississippi 39762, United States; Wayne Philley, Mississippi State University, Dept Plant & Soil Sciences, Box 9555, Mississippi State, Mississippi 39762, United States; M. Tomaso-Peterson, Mississippi State University, Dept. of Plant and Soil Sciences, Mississippi State, Mississippi 39762, United States; J.M. Goatley, Jr., Mississippi State University, Dept. of Plant and Soil Sciences, Mississippi State, Mississippi 39762, United States. Received 01/06/1995.

PI 584767. Cynodon x magennisii Hurc.
Cultivar. "MS-EXPRESS". CV-24. Pedigree - Vegetative increase of single clone ecotype selection collected at Shady Oaks Country Club, Jackson, MS. Triploid (2n=3x=27). Good turf quality, high shoot density, fine leaf texture, early spring green-up, and rapid vegetative establishment. Good resistance to leafspot (Bipolaris cynodontis) and dollarspot (Lanzia spp. and Moellerodiscus spp.). Recommended for putting, tennis, and bowling greens.

PI 584768. Cynodon x magennisii Hurc.
Cultivar. "MS-PRIDE". CV-25. Pedigree - Vegetative increase of single clone ecotype selection collected at Vicksburg Country Club, Vicksburg, MS. Triploid (2n=3x=27). Good turf quality, high shoot density, fine leaf texture, dark green color, good fall and winter color retention, and excellent sod strength. Good resistance to leafspot (Bipolaris cynodontis) and dollarspot (Lanzia spp. and Moellerodiscus spp.). Recommended for lawns, golf tees, fairways, and sports fields.

PI 584769. Cynodon dactylon (L.) Pers.
Cultivar. "MS-CHOICE". CV-26. Pedigree - Vegetative increase of single clone ecotype selection collected at Shandy Oaks Country Club, Jackson, MS. Tetraploid (2n=4x=36), turf bermudagrass. Good turf quality, high shoot density, dark green color, medium leaf texture, and very low seedhead density. Good resistance to leafspot (Bipolaris cynodontis) and less scalping injury than most other bermudagrasses. Recommeded for lawns, sports fields, golf tees, and fairways.

The following were developed by Terry A. Coffelt, USDA, ARS, U.S. Water Conservation Lab., 4331 E. Broadway Rd., Phoenix, Arizona 85040-8832, United States. Received 01/06/1995.

PI 584770. Arachis hypogaea L.
Genetic. VGS 1. GS-4. Pedigree - Single plant selection from a natural crossing study of Florigiant, a large-seeded Virginia-type (female parent) / krinkle leaf mutant (male parent). Krinkle-leaf mutant. Increased seed size over the original small-seeded krinkle mutant. Plants similar to krinkle leaf mutant with erect growth habit, dark green, krinkled leaves, and flowers on main stem. Pods similar to Florigiant with Viriginia-type shape, slight constriction and reticulation, and mostly two-seeded. Seed light pink with 100 seed weight 64g compared to 76g for Florigiant and 27g for krinkle. Percentage of fancy pods 83% and extra large kernels 14%. Source of dominant mutant krinkle leaf for use in genetic studies.

PI 584771. Arachis hypogaea L.